



CERTI-VEX[®] AC 1315

ASTM C-1315 TYPE 1, CLASS A ACRYLIC CONCRETE
CURING AND SEALING COMPOUND • NON-YELLOWING • SLIP RESISTANT • GLOSS

VOC Content: 671 gr./liter or 5.60 #/gal. – Cure and Seal

DESCRIPTION

CERTI-VEX AC 1315 is a styrene acrylic stabilized co-polymer based non-yellowing curing, sealing, hardening, dust proofing and water repellent compound that is tough, chemical resistant, long lasting and glossy. The product is designed for use on exterior and interior above and below grade architectural concrete where a premium long lasting, slip resistant, vibrant gloss and shine is required. CERTI-VEX AC 1315 is formulated from customized styrene acrylic stabilized co-polymer resins manufactured in-house to yield a non-yellowing glossy film. Vexcon Chemicals manufactures the resin system exclusively for use in CERTI-VEX AC 1315 and it contains no fillers, modifiers or extenders that can cause cure and seals to yellow, blush and look non-glossy. Independent laboratory testing confirms that the product's non-yellowing characteristics outlast and out perform competitive products and equal the performance of pure acrylic systems. Easily applied, CERTI-VEX AC 1315 quickly forms a hard clear film that is permanent, tough, chemical resistant, water repellent, dustproof, and non-yellowing. The product is ideal for both interior and exterior applications on new and existing concrete floors, stamped and decorated concrete, stucco or brick walls, architectural sections, retarded concrete and vertical walls. It provides an excellent base coat for paints or tile and carpet adhesives meeting the requirements of the Resilient Tile Institute and the Tile Adhesion Test Requirements of ASTM C 1315.

BENEFITS

- Non-Yellowing. Surface remains clear
- Provides for complete development of concrete's wear resistance and strength properties
- Apply to damp surfaces without whitening or loss of adhesion
- Seals and hardens surface reducing clean up and maintenance
- Can be applied to 20°F.
- Excellent protection against staining, attack by alkali, oil, cleaners and common industrial chemicals
- Prevents efflorescence, dusting and spalling
- Low moisture transmission rate
- Surfaces look newer and brighter
- Excellent base for adhesives
- Re-coatable and paintable
- Seals stamped and decorated concrete

- Excellent Sacrificial Anti-Graffiti Coating

APPLICATION

Product is supplied at the proper consistency for application and dilution will reduce efficiency. Thoroughly mix before applying. Apply by low-pressure industrial sprayer with neoprene fittings. The sprayer must be clean and dry. If cleaning with solvents is required, use **CERTI-VEX EQUIPMENT CLEANER**. Clean sprayer as directed, between applications to ensure best results. Material should not be over applied or allowed to puddle. To protect the sealed floor from ongoing construction dust, dirt and debris, use **CERTI-VEX TALC RELEASE**, data sheet #OP132 until all construction work is completed. Use **CERTI-VEX GRIP**, data sheet #OP115 to improve non-slip profile. If sprayer is not available, use a brush or roller.

CURING AND SEALING NEW CONCRETE:

Apply as soon as possible after the concrete has received final finishing, just as the water sheen disappears. If application is delayed concrete must be kept wet (preferably by water spray-mist) until CERTI-VEX AC 1315 can be applied. Apply first coat at 300 sq.ft. /gal (7.5 m²/L). A second coat is recommended for long term durability. See Second Coat section.

SEALING EXISTING CONCRETE: Apply CERTI-VEX AC 1315 to surfaces that are properly repaired and structurally sound and cleaned of all dirt, oil, grease and foreign matter. Use **CERTI-VEX[®] CONCRETE STRIPPER** to remove old sealers, epoxies, urethanes, adhesives, curing compound and floor waxes. Prior to application a test area must be performed to determine proper application rate and required surface preparation. To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects. Apply as directed above at 400-500 sq.ft. /gal (10-12.5 m²/L) on hard non-porous floors and 250-300 sq.ft. /gal (6.2-7.5 m²/L) on porous floors. A second coat is recommended for long term durability. See Second Coat section.

SECOND COAT: After application of the first coat, a second coat may be applied, typically, when the surface has dried through or 24 hours after first coat. Material will dry in less than 4 hours at 72 ° F (22° C). Apply second coat at 400-500 sq.ft. /gal (10-12.5 m²/L).

MAINTENANCE

Spills should be removed promptly and cleaned with a high quality commercial detergent. Floors should be cleaned regularly. Periodic reapplication may be required as the sealer wears off.

SPECIFICATIONS/COMPLIANCE

- ASTM C 1315 Type 1, Class A
 - AASHTO M-148.
 - ASTM C 309, Type 1, Class A&B.
 - Federal specification TT-C-800-A (GSA-FSS) type 1
 - Meets USDA and ADA non-slip requirements.
 - ASTM D 2047 James Machine, average of 12 cycles .68 slip resistant.
 - VOC Content: 671 gr./liter or 5.60 #/gal. – Cure and Seal
- Test reports are available upon request.

TOPCOATS AND ADHESIVES

CERTI-VEX AC 1315 cured concrete can be topcoated with a variety of paints, adhesives and mastics a minimum of 28 days after application. It is strongly suggested that a test area be applied prior to coating the entire surface, since products can adhere to concrete in varying degrees. Concrete cured with CERTI-VEX AC 1315 is typically topcoated without incident, however, it is advisable to check with manufacturer of the topcoat for any precautionary and compatibility information.

SPECIAL NOTES

To assist in application please note, 200 sq.ft. /gallon is equal to the thickness of a sheet of paper

- Will tend to show rubber burns or tirements
- Will cause bleeding of bituminous surfaces
- May cause mottling of colored surfaces
- Not gasoline resistant. Use VEXCON POWERCOAT[®] GR C&S
- Application of more than two coats is not recommended
- Over application may lead to surface discoloration and improper sealer performance.
- Contact Vexcon before applying Sacrificial Anti-Graffiti
- Keep from freezing.
- Do not apply more material per square foot than specified.
- Can apply when surface temperatures are 20° F - 85° F, when below or above these ranges review Vexcon's Cold and Hot Weather Application Guides
- If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.
- For use by professional applicators.

PACKAGING

CERTI-VEX AC 1315 is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

VITAL STATISTICS

- Flash Point (TCC): 106° F (41°C)
- Boiling Point (706 mmHg): 310-403 F (154-207°C)
- Autoignition Temp: Above 473° F (245°C)
- Extinguishing Media: Foam, dry chemical, CO₂, water may be used to reduce the rate of burning and for cooling containers.

PHYSICAL PROPERTIES

- Wet appearance Water White
- Dry appearance Clear
- Dry to touch 45 minutes
- Dry - tack free 85 minutes
- Foot traffic 24 hours
- Vehicle traffic 72 hours
- Solids 25% minimum

Note: All calculations based upon 68-77° F (20-25° c). Lower temperatures and relative humidity will extend dry times.

HEALTH AND SAFETY

- Use of respirators is mandatory when using this product in confined areas.
- Use only with adequate ventilation.
- If swallowed, do not induce vomiting.
- Use of gloves, goggles and other protective clothing is advised when using this product.

Vexcon MSDS #CS114 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product, it is advisable to obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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